Project Audit
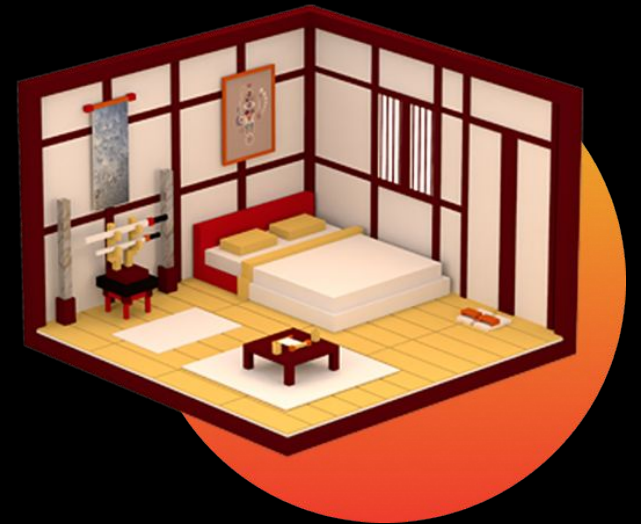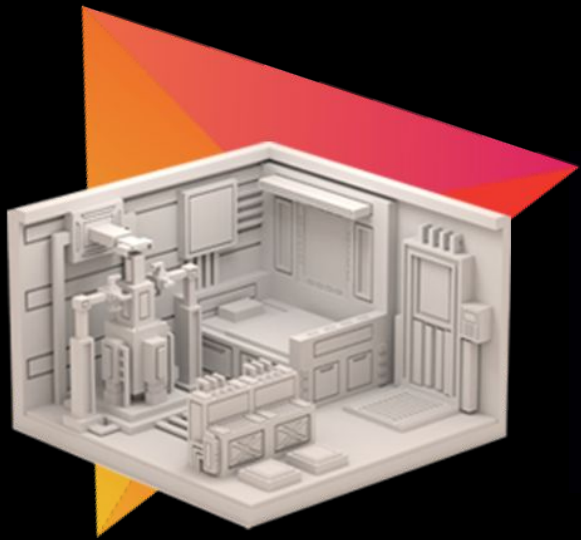
Project:

Meta Stellar

February 28, 2022

Overview

This audit has been prepared for **Meta Stellar** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities

- Assessing the codebase to ensure compliance with current best practices and industry standards.

- Ensuring contract logic meets the specifications and intentions of the client.

- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.

- Thorough line-by-line manual review of the entire codebase by industry experts.

"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	METASTELLAR
Ticker	MSR
Contract	0x7885e4fc89C43bc1f8440dc28d804c1E6281146c
Network	Binance Smart Chain
Language	Solidity
Tax	**Dev fee: 1%** **Liquidity fee: 5%** **Reflection fee 2%** **Marketing fee: 3%** **Total: 11%**
Total Supply	100,000,000
Status	Not launched yet

Current stats

Burn	8% of total supply
LP Address	Liquidity not added yet
MaxTxAmount	1,000,000

Smart Contract Statistics

Transfer Count	5
Uniq Senders	2
Uniq Receivers	5
Total Amount	185594000 MSR
Median Transfer Amount	25000000 MSR
Average Transfer Amount	37118800 MSR
First transfer date	2022-02-10
Last transfer date	2022-02-28
Days tokens Transfer	2

Issues Checking Status

Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

Featured Wallets

Owner address	0xc7b96d5b42fbAf3345d86d021aE8Ef18d4a70e1f
Marketing wallet	0x6e1C1BB2fbEE5DE877baa60dBA2dA8CaCF9a8Ab1
LP token address	Liquidity not added yet

Top 3 Unlocked Wallets

Wallet 1 (14.4%)	Same as owner

Locked Wallets

Wallet 1 (25%)	0x7ee058420e5937496F5a2096f04caA7721cF70cc **PinkSale locker – Unlocks 2022.04.28**
Wallet 2 (7%)	0x0C89C0407775dd89b12918B9c0aa42Bf96518820 **TeamFinance locker – Unlocks 2022.03.21**

Security Threads

Owner can set buy/sell fees up to 49% (combined buy+sell=98%) ⚠️

```
function setFees(uint256 _liquidityFee, uint256 _reflectionFee, uint256 _marketingFee, uint256 _devFee, uint256 _utilityFee, uint256 _feeDenominator)
 external authorized {
    liquidityFee = _liquidityFee;
    reflectionFee = _reflectionFee;
    marketingFee = _marketingFee;
    devFee = _devFee;
    utilityFee = _utilityFee;
    totalFee = _liquidityFee + _reflectionFee + _marketingFee + _utilityFee + _devFee;
    feeDenominator = _feeDenominator;
    require(totalFee < feeDenominator/2, "Fees cannot be more than 49%");
}
```

Owner can change max transaction without limit, making it impossible to sell if set to 0 ⚠️

```
function setMaxTxPercent_base1000(uint256 maxTXPercentage_base1000) external onlyOwner() {
    _maxTxAmount = (_totalSupply * maxTXPercentage_base1000 ) / 1000;
}
function setMaxTxAmount(uint256 amount) external authorized {
    _maxTxAmount = amount;
}
```

Owner can blacklist address from trading, making it impossible to sell ⚠️

```
function enable_blacklist(bool _status) public onlyOwner {
    blacklistMode = _status;
}
function manage_blacklist(address[] calldata addresses, bool status) public onlyOwner {
    for (uint256 i; i < addresses.length; ++i) { isBlacklisted[addresses[i]] = status;}
}
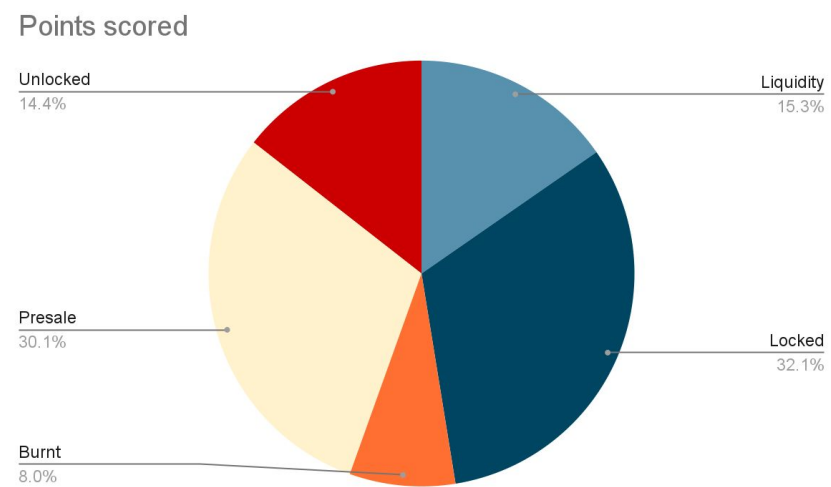```

**Owner can disable trading, making it impossible to sell ⚠️**

```
function tradingStatus(bool _status, uint256 _deadBlocks) public onlyOwner {
    tradingOpen = _status;
    if(tradingOpen && launchedAt == 0){
        launchedAt = block.number;
        deadBlocks = _deadBlocks;
    }
}
```

Tokenomics

According tg group owner and presale graphics

- Liquidity:- 15.3%
- Locked :- 32%
- Burnt:- 8%
- Presale :- 30%
- Unlocked :- 14.4%

Points scored

Current State

- Tokens are distributed as mentioned above

Analysis ⚠️

Considering burned and locked tokens, right after the launch the owner will have 25% of total circulating supply.
Compared with reserved tokens for presale and liquidity - if sold, this 25% could lead to drain of significant part from liquidity.

Meta Stellar Project & Team Review

The project is a meta verse game that focuses on building properties within a city and lets you interact with other players. Not enough information is provided about the game yet.
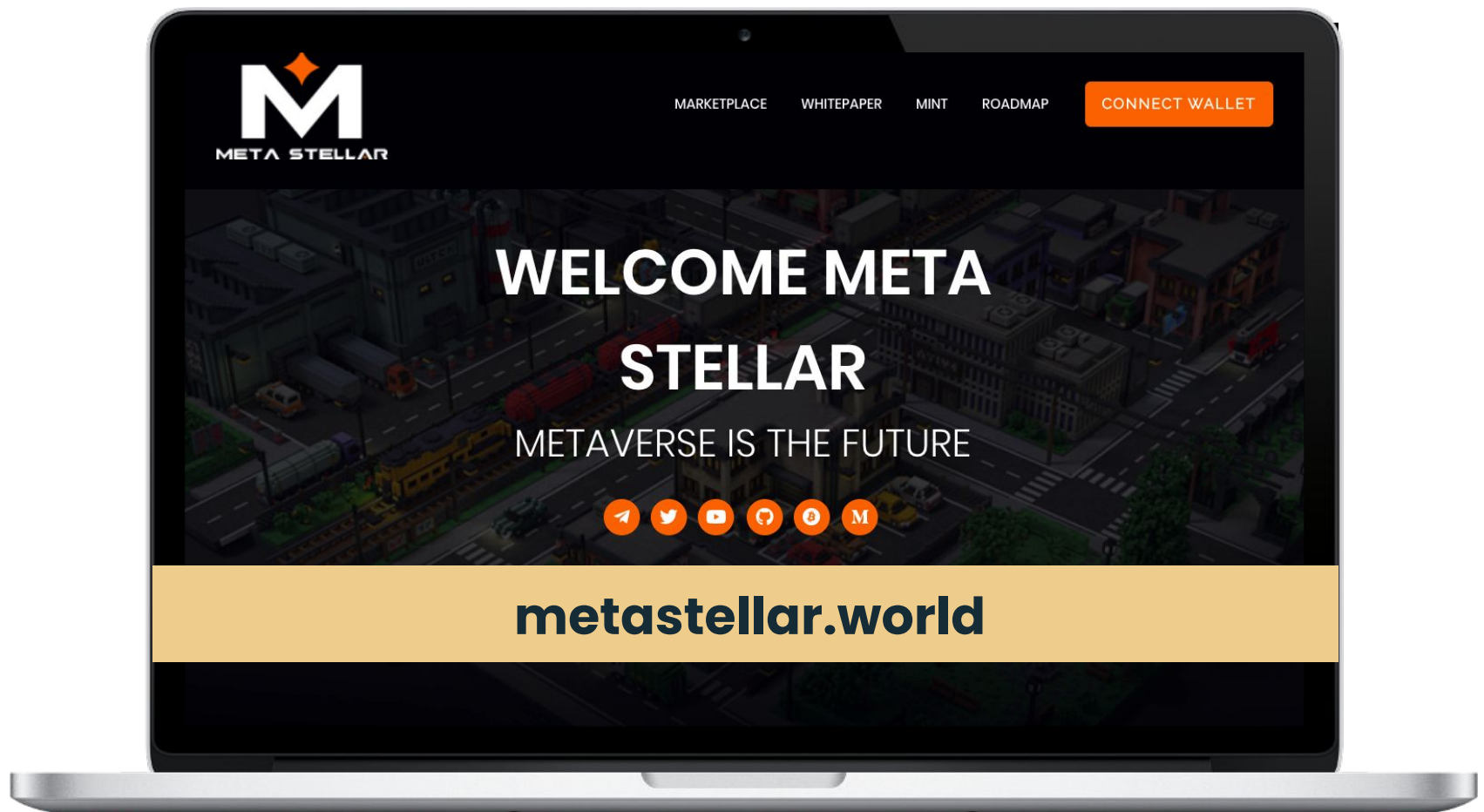
Team:

- Single member KYCd by SpyWolf (no connection to project yet)

Website Analysis

URL: https://metastellar.world

- **Design:** Single page. Nice design. Menu does not work.

- **Content:** No clear explanation of what the project is about.

- **Whitepaper:** No whitepaper ⚠️

- **Roadmap:** Unrealistic and unclear roadmap. ⚠️

- **Mobile-friendly?** Yes

- **Technical:** SSL certificate present. General SEO check passed.
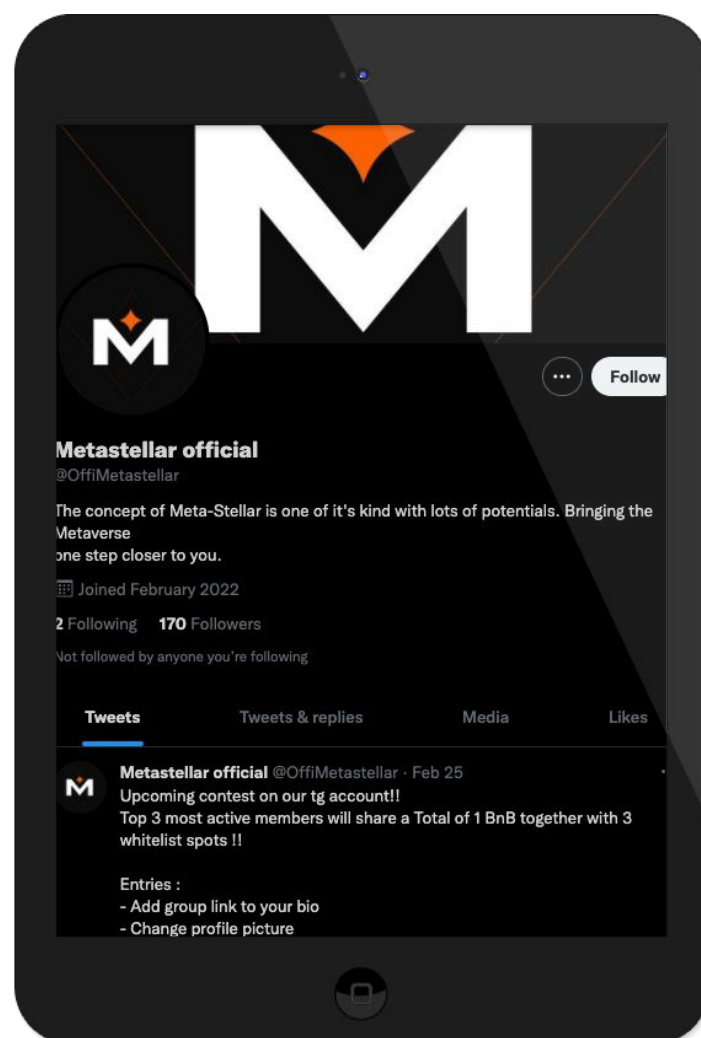
Social Media & Online Presence

Telegram

https://t.me/Metastellar

–5, 776 members

- Few active members ⚠️

- Botted ⚠️

Twitter

https://twitter.com/offimetastellar

- 170 Followers

- Only a few posts

Metastellar official
@OffiMetastellar

The concept of Meta-Stellar is one of it's kind with lots of potentials. Bringing the Metaverse
one step closer to you.

Joined February 2022

2 Following   170 Followers

Not followed by anyone you're following

Tweets   Tweets & replies   Media   Likes

Metastellar official @OffiMetastellar · Feb 25
Upcoming contest on our tg account!!
Top 3 most active members will share a Total of 1 BnB together with 3 whitelist spots !!

Entries :
- Add group link to your bio
- Change profile picture

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork

(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.